

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 04/03/2020 12:45 PM
Cytometer Baseline: 02/04/2020 09:45 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 80996 **Expiration Date:** 04/30/2020
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124424	-1	3.07	124524	3.09
Blue	F	SSC	125000	124287	-1	1.68	125046	1.63
Blue	E	FITC	15892	15571	-3	2.73	339	19.81
Blue	D	PE	29999	29811	-1	1.92	650	14.33
Blue	B	PerCP-Cy5-5	43732	43723	-1	3.61	1173	20.49
Blue	A	PE-Cy7	30845	30925	0	6.12	584	41.88
Red	C	APC	46112	45623	-2	2.43	1608	12.33
Red	A	APC-Cy7	30458	29440	-4	2.41	784	12.19
Violet	B	V450	7918	7516	-6	4.27	425	13.29
Violet	A	V500	32171	30689	-5	4.13	715	10.53

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16776	18.43	623	2	N/A	N/A	Pass
Blue	F	SSC	56934	1.13	564	5	N/A	N/A	Pass
Blue	E	FITC	62	65.51	543	0	0.0217	219	Pass
Blue	D	PE	135	49.42	550	2	0.1823	308	Pass
Blue	B	PerCP-Cy5-5	217	49.75	657	1	0.0089	49	Pass
Blue	A	PE-Cy7	112	100.12	700	2	0.0103	10	Pass
Red	C	APC	383	25.40	589	5	0.0232	110	Pass
Red	A	APC-Cy7	173	28.63	559	3	0.0052	681	Pass
Violet	B	V450	64	60.65	462	4	0.0488	1986	Pass
Violet	A	V500	106	36.72	478	4	0.0248	1319	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.56	-31.96	0.98
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.46
Red	15.44	13.60 - 20.40	N/A	N/A	29.45	29.95	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9706

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.60

Comments